

9-20-06

IAP13 REC'd PCT/PTO 19 SEP 2006

PCT

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

091906



|  |  |  |
|--|--|--|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |  | ATTORNEY'S DOCKET NUMBER<br>MOB-270-1<br>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/593260</b> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/JP2005/006872</b>  | INTERNATIONAL FILING DATE<br><b>07 Apr. 2005</b> | PRIORITY DATE CLAIMED<br><b>07 Apr. 2004</b>   |
| TITLE OF INVENTION<br><b>Cooling Method &amp; Manufacturing Method of Metal Part &amp; Cooling</b>   |  |  |
| APPLICANT(S) FOR DO/EO/US<br><b>Yamagata, Saburou et al</b>  |  |  |
| Apparatus For Metal Part   |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.   |  |  |
| 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.  |  |  |
| 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. |  |  |
| 4. <input checked="" type="checkbox"/> The US has been elected (Article 31).   |  |  |
| 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))  |  |  |
| a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).   |  |  |
| b. <input type="checkbox"/> has been communicated by the International Bureau.   |  |  |
| c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).   |  |  |
| 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  |  |  |
| a. <input checked="" type="checkbox"/> is attached hereto.   |  |  |
| b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).   |  |  |
| 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))   |  |  |
| a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).   |  |  |
| b. <input type="checkbox"/> have been communicated by the International Bureau.  |  |  |
| c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.  |  |  |
| d. <input type="checkbox"/> have not been made and will not be made.   |  |  |
| 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).  |  |  |
| 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).  |  |  |
| 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).                              |  |  |
| Items 11 to 20 below concern document(s) or information included:  |  |  |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.  |  |  |
| 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.   |  |  |
| 13. <input checked="" type="checkbox"/> A preliminary amendment.   |  |  |
| 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.   |  |  |
| 15. <input type="checkbox"/> A substitute specification.   |  |  |
| 16. <input type="checkbox"/> A power of attorney and/or change of address letter.  |  |  |
| 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.  |  |  |
| 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).   |  |  |
| 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).   |  |  |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IAP9/Rec'd PCT 19 SEP 2005

PTO-1390 (Rev. 07-2005)  
Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |              |   |         |  |              |
|--|--------------|---|---------|--|--------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><div style="font-size: 2em; font-weight: bold; margin-top: 5px;">10/593960</div>  |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/JP2005/006872</b>                     |         | ATTORNEY'S DOCKET NUMBER<br><b>MOR-270-A</b> |              |
| 20. Other items or information:  |              |   |         |  |              |
| The following fees have been submitted   |              |   |         | CALCULATIONS                                 | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300  |              |   |         | \$ 300                                       |              |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  |              |   |         |  |              |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0<br>All other situations..... \$200   |              |   |         | \$ 200                                       |              |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100<br>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400<br>All other situations..... \$500 |              |   |         | \$ 400                                       |              |
| TOTAL OF 21, 22 and 23 =   |              |   |         | 900  |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |   |         |  |              |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE    |  |              |
| - 100 =  | /50 =        |   | x \$250 | \$   |              |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).  |              |   |         | \$   |              |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE    | \$   |              |
| Total claims   | 11 - 20 =    |   | x \$ 50 | \$   |              |
| Independent claims   | 3 - 3 =      |   | x \$200 | \$   |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | + \$360 | \$   |              |
| TOTAL OF ABOVE CALCULATIONS =  |              |   |         | \$ 900                                       |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |              |   |         |  |              |
| SUBTOTAL =   |              |   |         | \$   |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  |              |   |         | +  | \$           |
| TOTAL NATIONAL FEE =   |              |   |         | \$ 900                                       |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |              |   |         | +  | \$           |
| TOTAL FEES ENCLOSED =  |              |   |         | \$ 900                                       |              |
|  |              |   |         | Amount to be refunded:                       | \$           |
|  |              |   |         | Amount to be charged                         | \$ 900       |

10/593360  
APG/REC'D PCT/PTO 19 SEP 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0851-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 25-0115 in the amount of \$ 900 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 25-0115. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Young & Basile, P.C.  
Andrew R. Basile, Sr.  
3001 W. Big Beaver Road Ste. 624  
Troy, MI 48084  
(248) 649-3333

Darlene P. Condra

SIGNATURE

Darlene P. Condra

NAME

37-113

REGISTRATION NUMBER

10/593560

189 REC'D PGT 19 SEP 2006

LAW OFFICES

**YOUNG & BASILE, P.C.**

THOMAS N. YOUNG  
ANDREW R. BASILE, SR.  
WILLIAM M. HANLON, JR.  
MARSHALL G. MACFARLANE  
THOMAS D. HELMHOLDT  
TODD L. MOORE  
THOMAS E. BEJIN  
CHRISTOPHER A. MITCHELL  
CHRISTIAN J. GARASCIA  
ANDREW R. BASILE, JR.  
DENISE M. GLASSMEYER  
DONALD L. WOOD  
KATHLEEN G. MELLON  
DARLENE P. CONDR

YOUNG, BASILE, HANLON,  
MACFARLANE, WOOD & HELMHOLDT, P.C.

PATENTS, TRADEMARKS AND COPYRIGHTS  
3001 WEST BIG BEAVER ROAD  
SUITE 624  
TROY, MICHIGAN 48064-3107

TELEPHONE (248) 649-3333  
FACSIMILE (248) 649-3338  
www.ybpc.com

MOLLY BASILE MARKLEY  
MICHELLE L. KNIGHT  
JAMES L. COX II  
DANIEL J. CHECKOWSKY  
DANIEL J. KELLY  
CHRISTOPHER G. DARROW  
SCOTT D. LAWRENCE  
TARA M. SMRCHEK  
CRAIG REDINGER

DAVID B. EHRLINGER (1920-2000)  
TOWNSEND F. BEAMAN (1931-1983)  
DUNCAN F. BEAMAN (1930-2004)

September 19, 2006

**MOR-270-A**

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

EV902975424US

Dear Sir:

Enclosed please find an application for U.S. Patent as identified below.

Inventor: Yamagata Saburou et al

Invention: Cooling Method and Manufacturing Method of Metal Part and  
Cooling Apparatus for Metal Part

and including Postcard, Transmittal Letter, Copy of International Application,  
English Translation of International Application, 4 Sheets of Drawings, Two Combined  
Declarations, Information Disclosure Statement, Form 1449 with cited references with English  
Translation, Preliminary Amendment along with an Application Data Sheet.

Filing Fee: \$900

Total: \$900

Please charge any deficiency or credit any excess in the enclosed fees to Deposit  
Account No. 25 -0115.



Darlene P. Condra  
Attorney for Applicant  
Registration No. 37,113  
(248) 649-3333

YOUNG & BASILE, P.C.  
3001 West Big Beaver Road  
Suite 624  
Troy, MI. 48064-3107